

Genesis GL20b

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Description

The GL20b is a small line array loaded with the SA Ribbon Compact Driver, combined with two 8" long excursion neodymium drivers. The array has a frequency bandwidth from 70Hz to 20kHz in a cylindrical waveform that generates a polar pattern coverage of 110 degrees in the horizontal plane. The vertical waveform is controlled by an innovative cylindrical designed wave shaper to allow a curve up to a maximum of 15 degrees for each cabinet. The acoustical clothed loudspeaker grills are giving the GL20b a luxury appearance that makes it besides the ordinary in and outdoor events very suitable for use in concert hall, theater, nightclub, house of worship or dress parades.

Placement

An easy to use fully integrated three points rigging system allows up to twelve cabinets to be flown. It's also possible to ground stack the GL20b with a special (ground)bumper.

Maintenance

Maintenance on the GL20b, especially on the drivers, is best left to official Stage Accompany service personnel. However, cleaning of the cabinet can easily be done by yourself with a damp lint-free cloth.

Connections

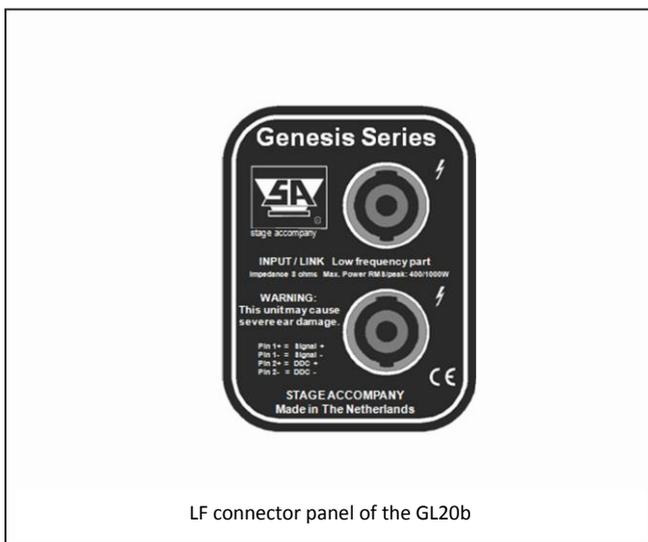
The GL20b is fitted with four SpeakON NL4 at the backside near to the middle of the cabinet. (Caution: when linking, make sure nominal impedance stays within amplifier specification!).

Options

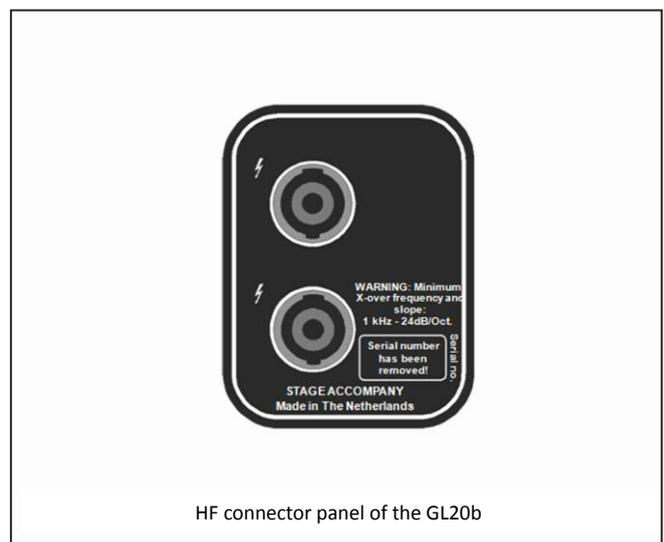
The GL20b is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™). A self powered version (GL20sp) with integrated DSP will be available in the near future.

Wiring for DDC™

For absolute top quality sound reproduction, the AV27 is equipped with Dynamic Damping Control™. The DDC™ system is based on two loudspeaker wires that return from the speaker to the (SA) amplifier. The picture on the below shows the wiring of a SpeakON NL4 connector in combination with the DDC™ system.



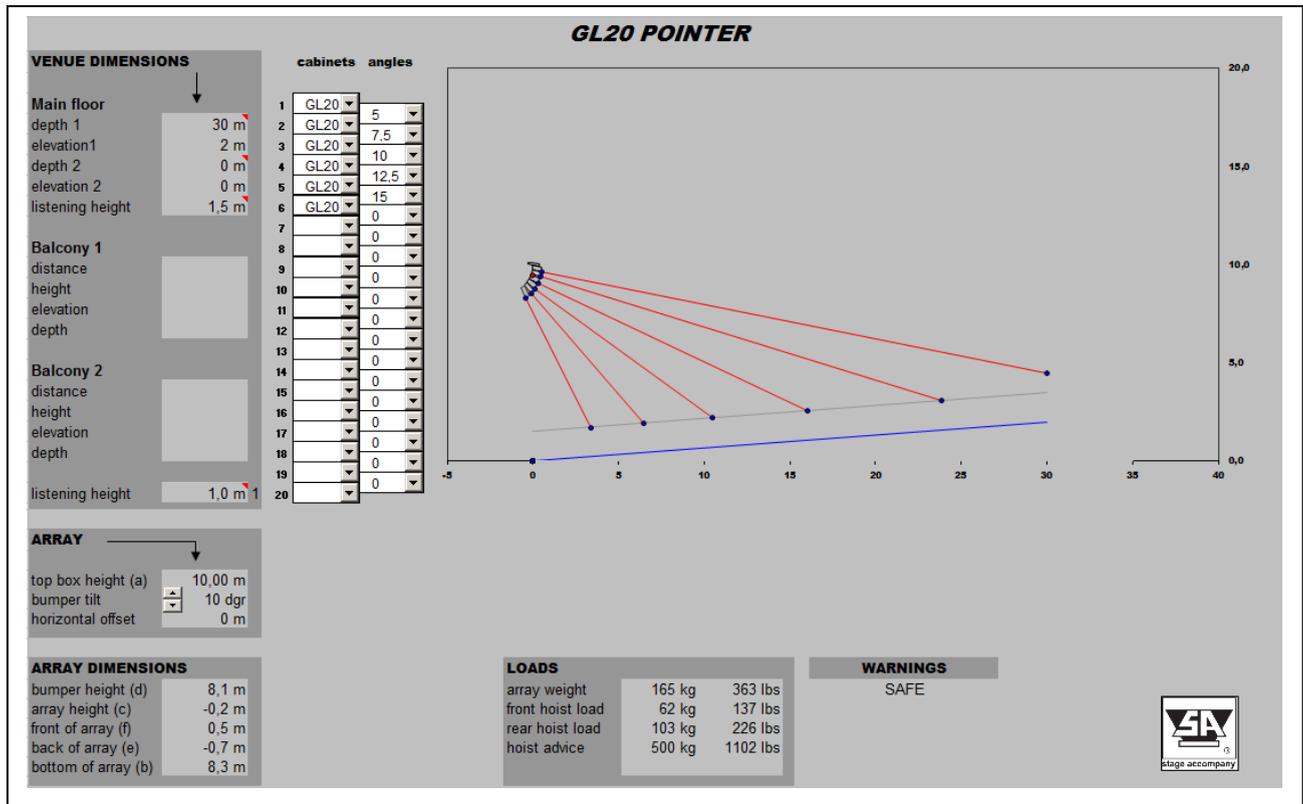
LF connector panel of the GL20b



HF connector panel of the GL20b

Software

The accompanying GL20 Pointer software will show you exactly what splay to use between the cabinets and will warn you if you intend to overload the systems strength. Download: http://www.stageaccompany.com/support/downloadnew/gl20pointer_v1.zip



Technical specifications

Frequency response	: 70Hz – 30kHz (+/- 3dB)
Transducers	: 2 x SA0851N, 8" neodymium LF driver 1 x SA8535L, neodymium MF/HF driver
Cross-over frequency	: 1200Hz
Nominal impedance	: 8ΩLF, 13Ω HF
Sensitivity @ 1W/1m	: 98dB LF, 105dB HF
Max. RMS power	: 400W LF, 60W HF
Max. Peak power	: 800W LF, 1000W HF
SPL program/peak	: 127dB/132dB LF, 123dB/135dB HF
Coverage angles, single enclosure (H x V)	: 110° x 15°
Enclosure angles	: 0°, 1°, 2°, 3°, 4°, 5°, 7.5°, 10°, 12.5°, 15°
Signal processing	: presets for various controllers are available on request
Max. load rated per vertical drop	: 12 enclosures
Enclosure construction	: 15mm Birch plywood, 2 handles, Protecture finish
Rigging	: integrated flying hardware
Color	: SA Black, other colors on request
Front	: Birch plywood grille with acoustic transparent cloth
Connectors	: 2 x LF SpeakOn NL4 (linked), 2 x HF SpeakOn NL4 (linked)
Physical dimensions (H x W x D)	: 228mm/134mm x 600mm x 543mm (9.0"/5.3" x 23.6" x 21.4")
Weight	: 24.8kg (54.7lb)
Warranty	: 5 years limited (1 year on 'moving parts')



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